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	Application No.	Applicant(s)	
Notice of Allowability	10/009,534 Examiner	FUNABIKI ET AL. Art Unit	
•			
	Carol Chaney	1745	
The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is s	this application. If not included nication will be mailed in due course. THI	S ative
1. \boxtimes This communication is responsive to <u>amendment filed 17 L</u>	<u>December 2004</u> .		
2. The allowed claim(s) is/are <u>1-5 and 7-10</u> .	,		
3. The drawings filed on 24 May 2002 are accepted by the Ex	xaminer.		
 4.	e been received. e been received in Application cuments have been received of this communication to file MENT of this application. whitted. Note the attached EXA es reason(s) why the oath or st be submitted. son's Patent Drawing Review s Amendment / Comment or .84(c)) should be written on the	n No I in this national stage application from the a reply complying with the requirements MINER'S AMENDMENT or NOTICE OF declaration is deficient. (PTO-948) attached in the Office action of e drawings in the front (not the back) of	•
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATE	RIAL must be submitted. Note the	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview St Paper No./ 08), 7. ☑ Examiner's	ormal Patent Application (PTO-152) Immary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowance	
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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bruce Kramer on 04 February 4, 2005.

The application has been amended as follows:

In claim 1, starting at line 5, please delete "wherein the contained Li is the element obtained by a method to insert lithium in the active material by chemical method" and replace the phrase with

"and if Li is contained in the β -FeOOH, the Li is incorporated into the β -FeOOH in advance of insertion/extraction of lithium"

The following is an examiner's statement of reasons for allowance:

The examiner's amendment is supported by page 8, lines 7-21 of the specification as originally filed. The amendment serves to clarify applicants' invention, in which Li can be incorporated into a low-crystalline β -FeOOH prior to intercalation or deintercalation of additional lithium in the structure.

Applicants' amendments overcome the prior art of record, Amin, JP 10-233215

A. Amin discloses lithium secondary batteries using β-FeOOH structures incorporated

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with other elements as cathode materials. However, the elements Amin incorporate into the β -FeOOH structure are distinct from those claimed by the applicants, and there is no motivation in the prior art to incorporate the elements recited by the applicants into a β -FeOOH structure used as a lithium battery cathode material.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carol Chaney whose telephone number is (571) 272-1284. The examiner can normally be reached on Mon - Fri 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Carol Chaney
Primary Examiner

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5 February 2005